

[illegible]

Diagram b) shows a cross-section of a device. A central component, labeled 17, is supported by a base, labeled 18. The component 17 is shown as a trapezoidal shape with a horizontal line across its middle. The base 18 is a rectangular block. The component 17 is positioned on top of the base 18, with its bottom surface resting on the top surface of the base. The diagram is a schematic representation of the physical structure.

A detailed cross-sectional view of a device assembly, labeled 'c)'. The assembly consists of several layers and components. On the left, a large rectangular block is labeled '13 & 9'. To its right is a multi-layered structure. The outermost layer on the right is labeled '8'. Inside this is a layer labeled '11'. The central part of the assembly is a large rectangular area with diagonal hatching, labeled '19'. This hatched area is divided into two horizontal sections by a white rectangular block labeled '12'. The top and bottom sections of the hatched area are labeled '18'. The entire assembly is enclosed in a frame. The top and bottom edges of the frame are labeled '17'. The right edge of the frame is labeled '10'. The left edge of the frame is labeled '14'. Arrows point from the labels to the corresponding parts of the assembly.

Top view of test stage; not to scale

**3-D sectional representations of portions of
the test-array/detector layers: not to scale**

Fig. 3

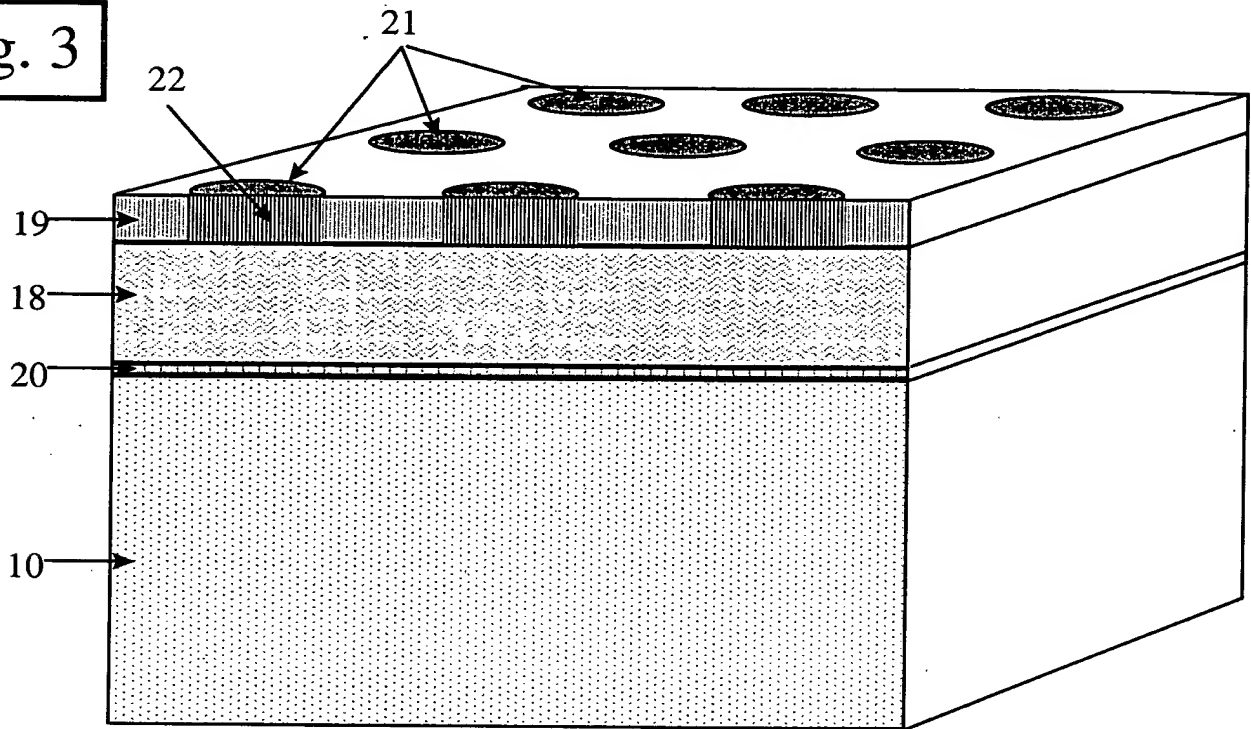
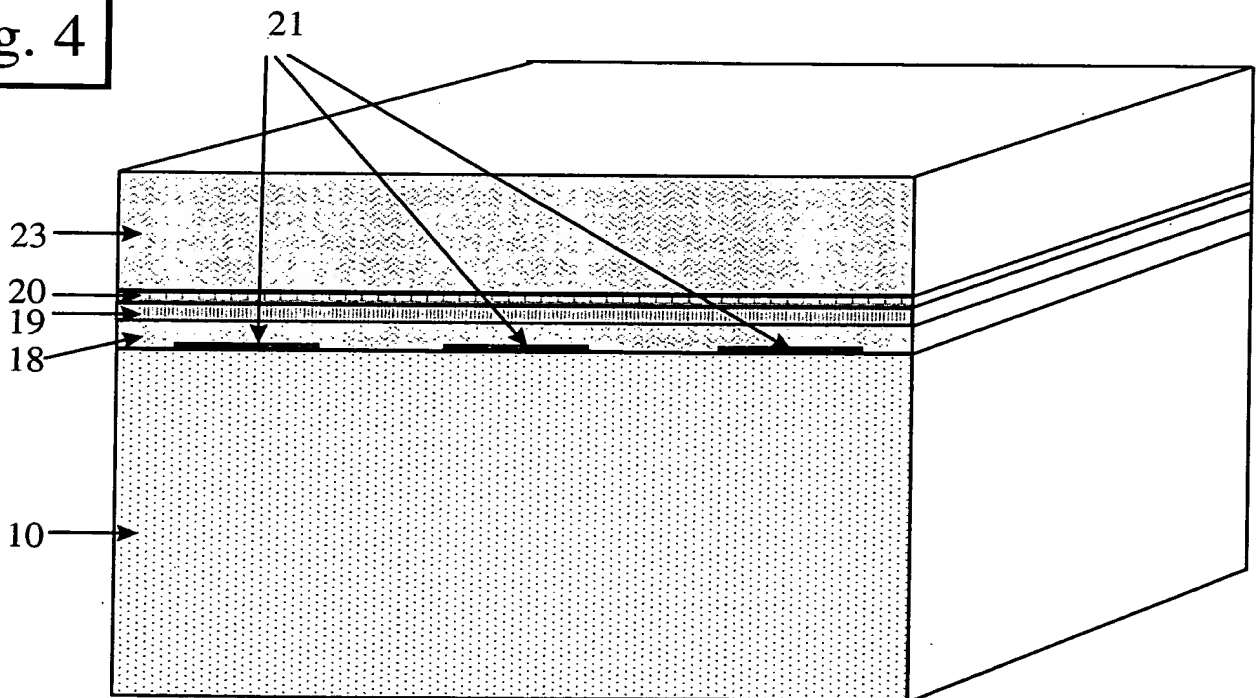


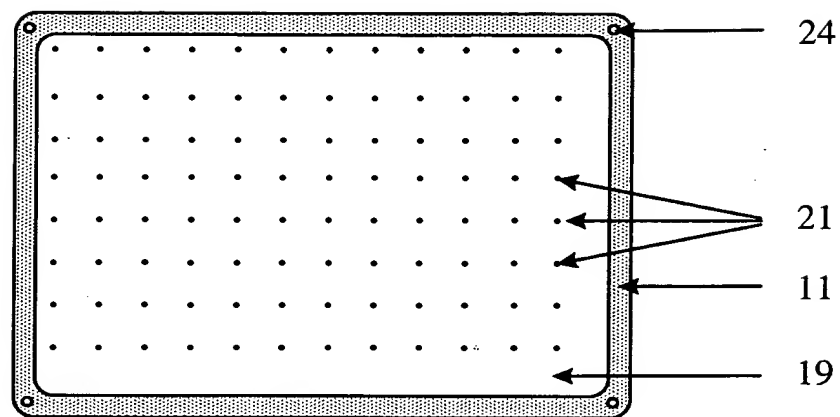
Fig. 4



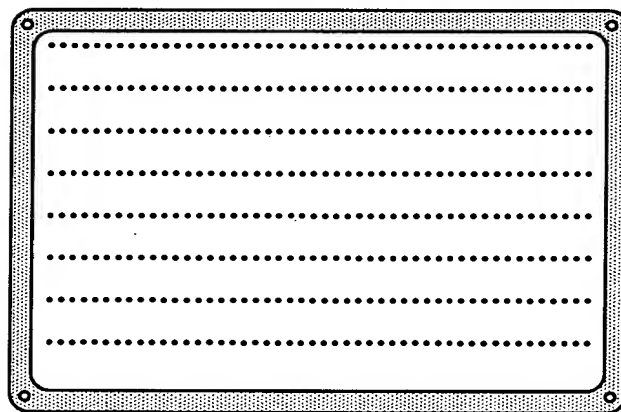
US 2015/010899

Fig. 5

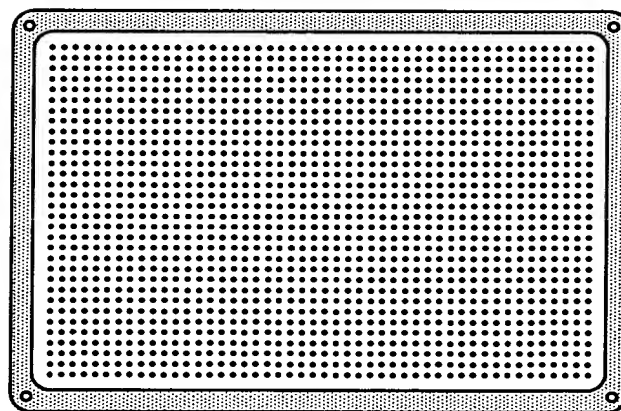
a)



b)



c)



US2010010009

Carbamylcholine Response (1 mM, five spots)

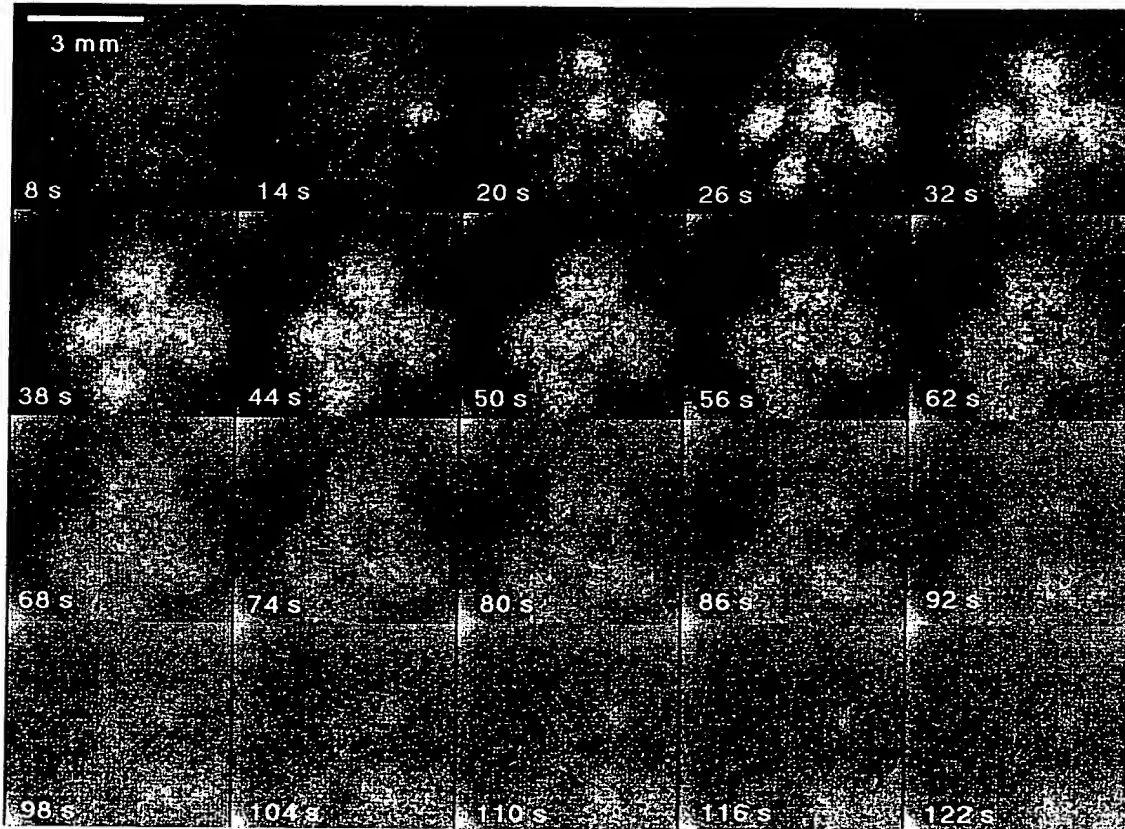


Figure 6

550070" 9T542350

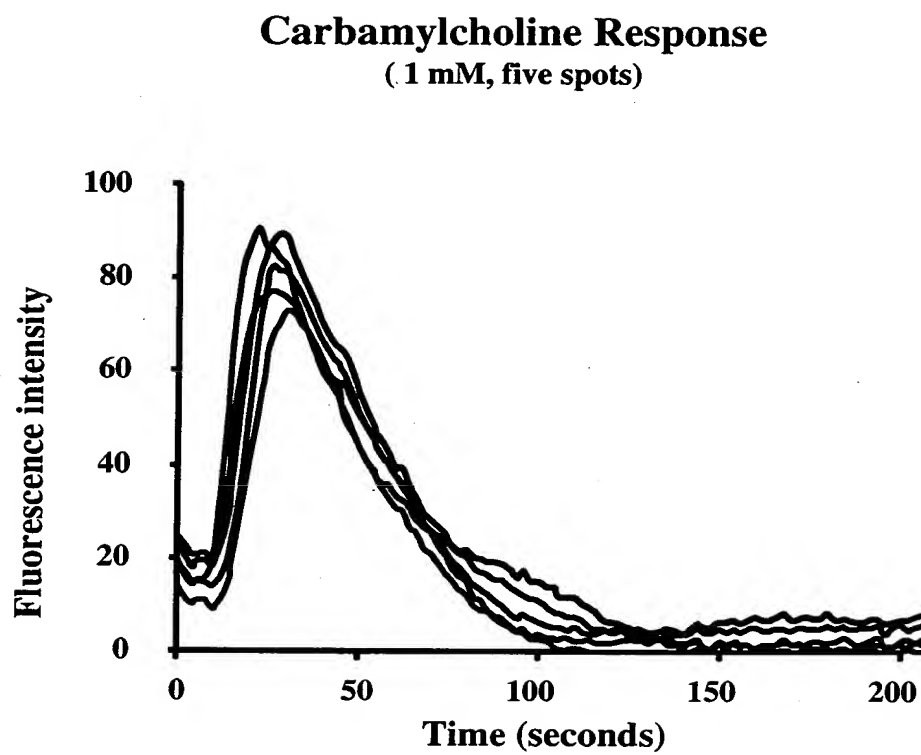


Figure 7

FCCP Response
(50 μ M, 5 x 5 grid of spots)

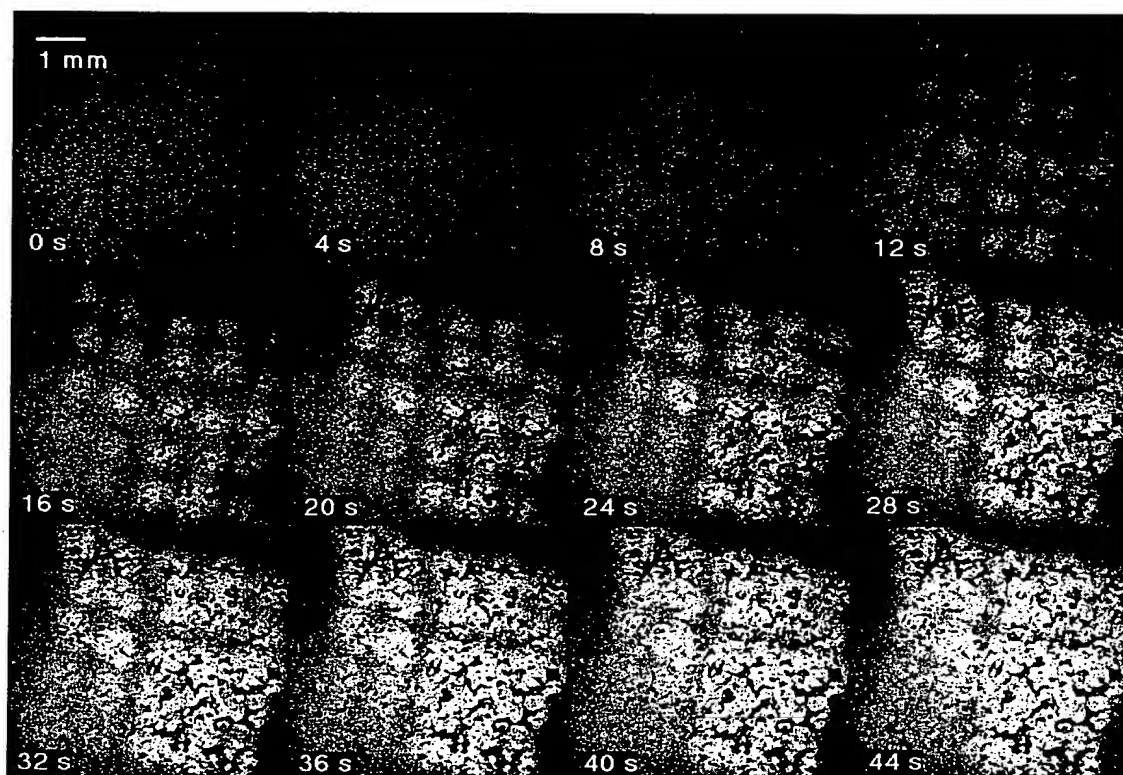


Figure 8

FCCP Response
(50 μ M, five central spots)

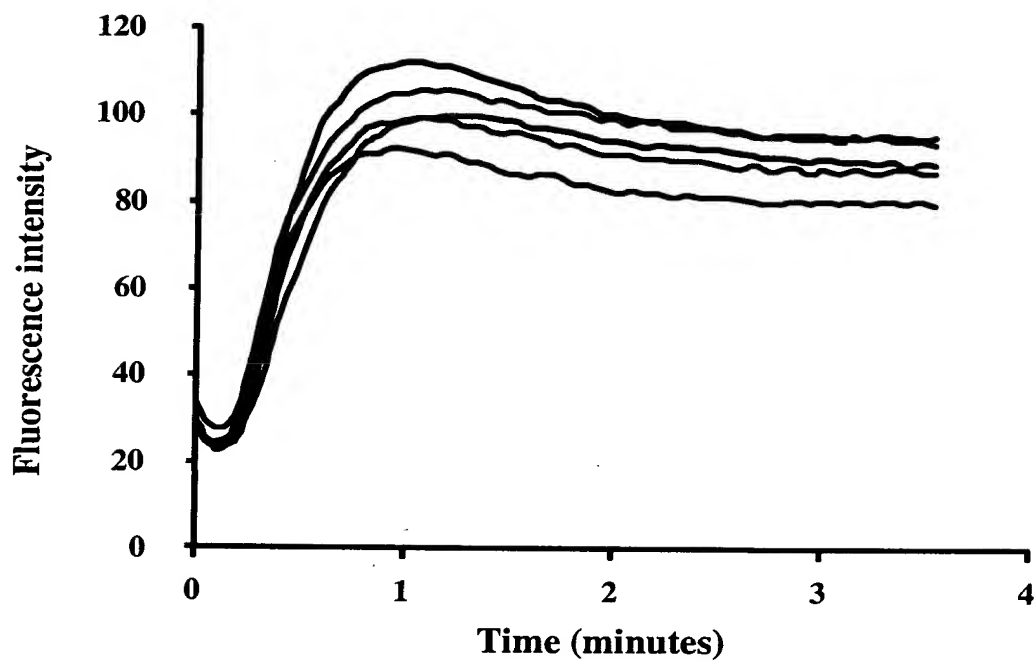


Figure 9

FCCP Dose-response (50, 5, 0.5, 0.05 and 0.005 μ M, 5 x 5 grid)

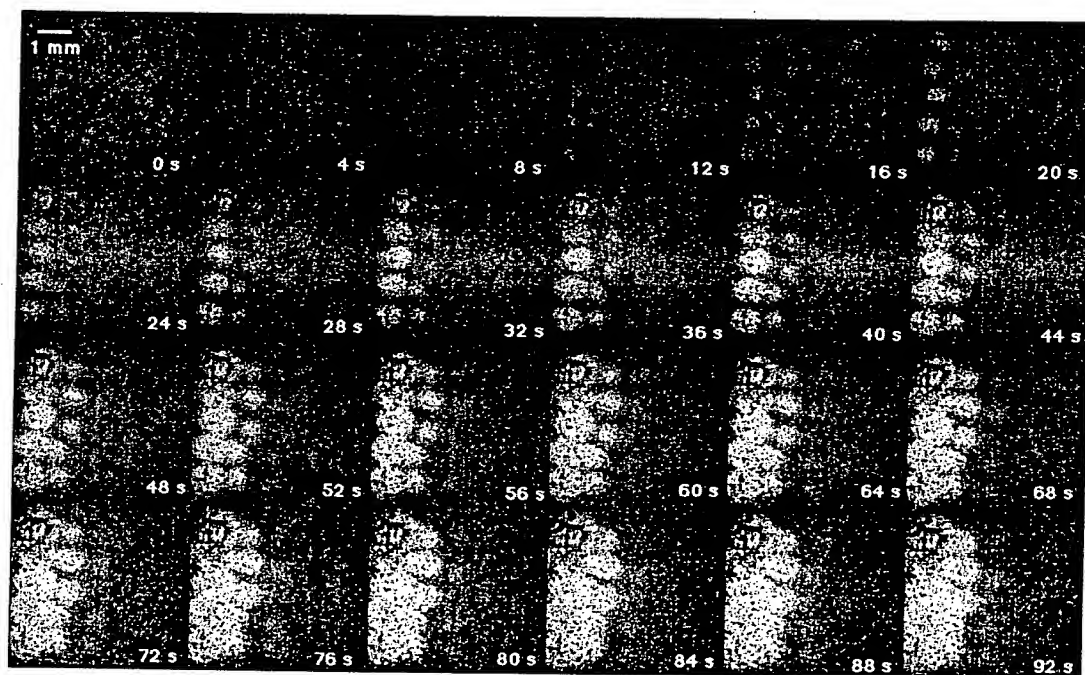


Figure 10

FCCP Dose-response
(50, 5, 0.5, 0.05 and 0.005 μM)

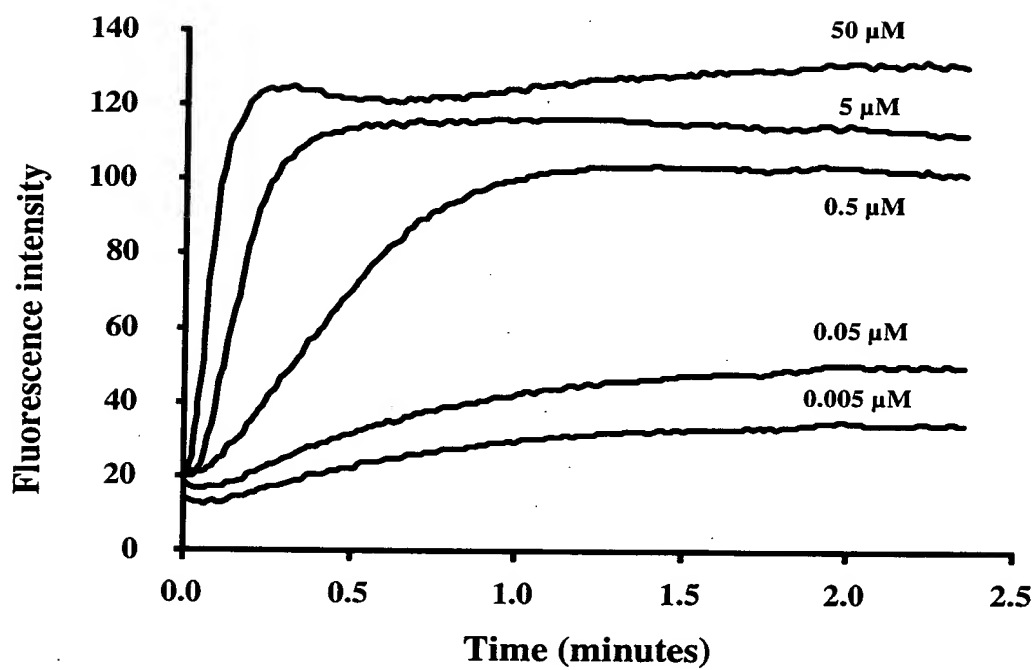


Figure 11

Ionomycin and Thapsigargin responses

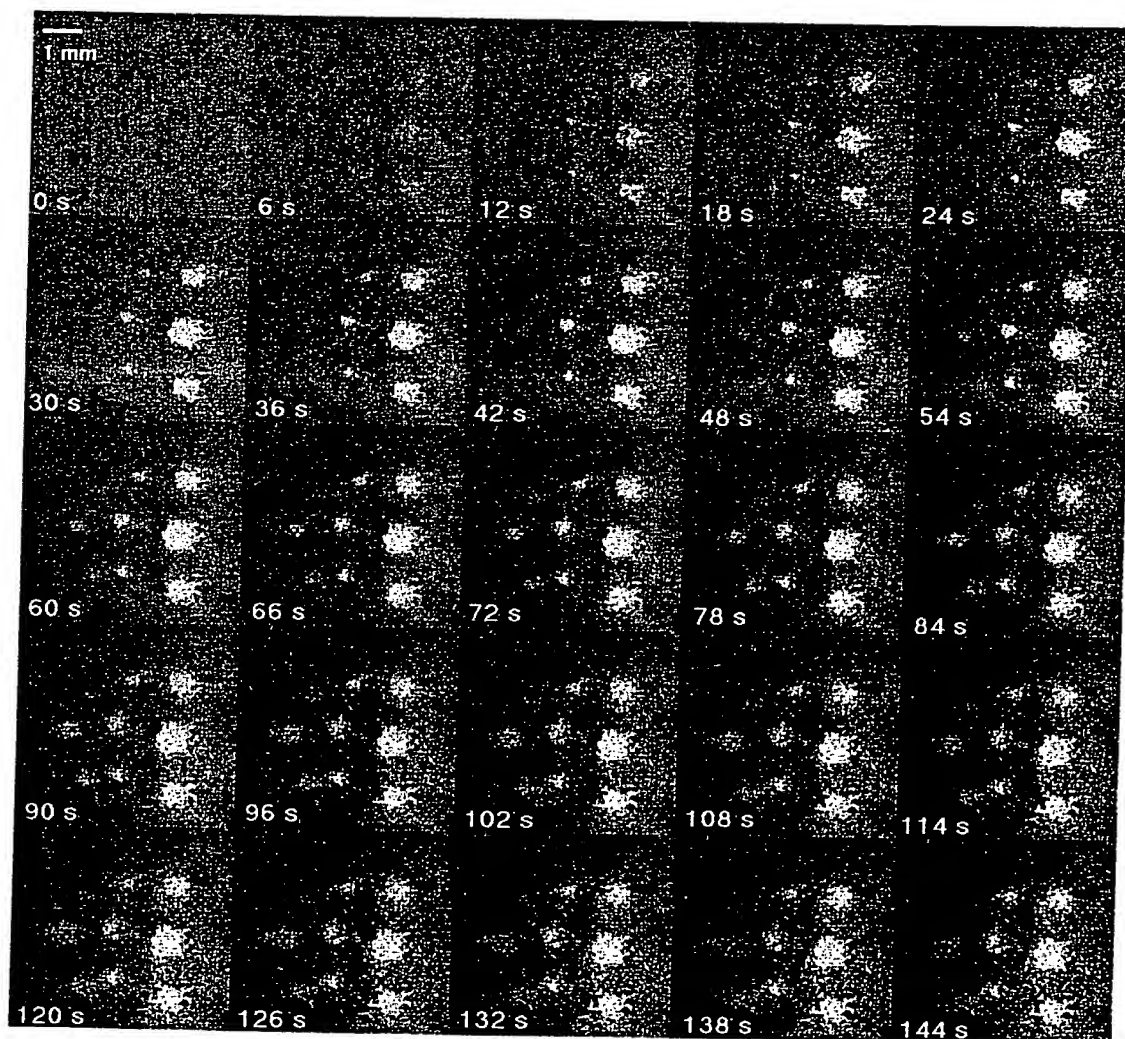


Figure 12

Ionomycin and Thapsigargin responses
(mean of two to three responses)

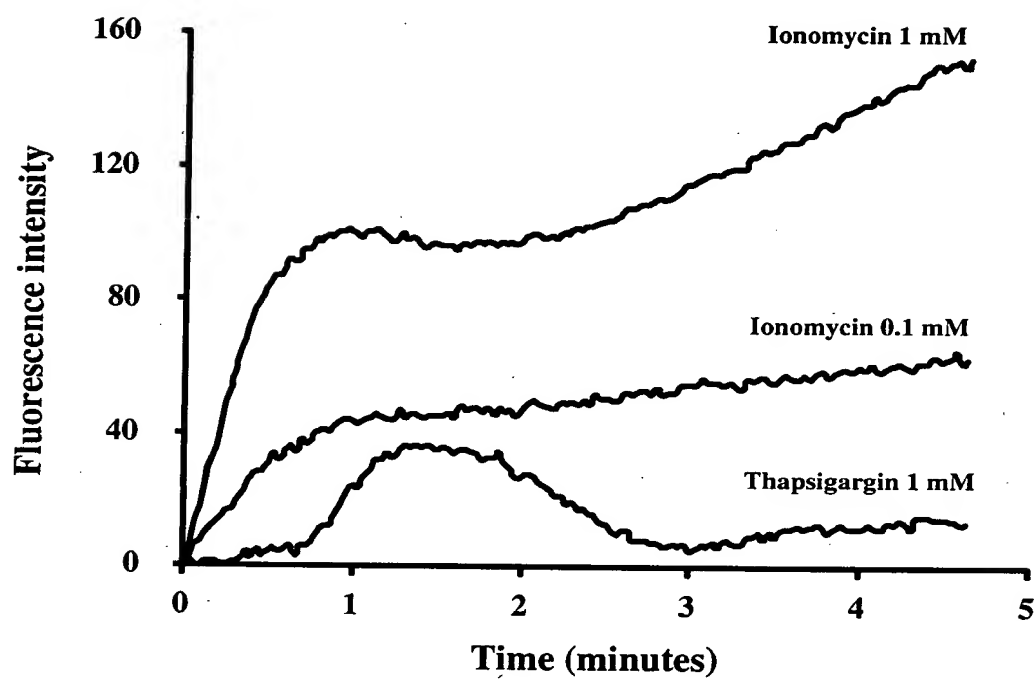


Figure 13